

## INSTRUMENT APPROACH PROCEDURE CHARTS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

### Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned another DP or radar vector by ATC, this procedure may be flown to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: FAR 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

#### NAME TAKE-OFF MINIMUMS

##### ALLENTOWN, PA

###### ALLENTOWN QUEEN CITY MUNI

TAKE-OFF MINIMUMS: **Rwy 7**, 800-2 or std. with a min. climb of 280' per NM to 1600. **Rwy 15**, not authorized.

DEPARTURE PROCEDURE: **Rwy 7**, climb runway heading to 2200 before proceeding on course. **Rwy 25**, climbing right turn to assigned altitude direct ETX VOR/DME. **Rwy 33**, climbing left turn to assigned altitude direct ETX VOR/DME.

###### LEHIGH VALLEY INTL

TAKE-OFF MINIMUMS: **Rwy 13**, 800-1 or std. with a min. climb of 270' per NM to 1600'.

DEPARTURE PROCEDURE: **Rwy 13**, climb runway heading to 1600 before proceeding on course. **Rwy 24**, climb runway heading to 1600 before proceeding southbound on course.

#### NAME TAKE-OFF MINIMUMS

##### ALTOONA, PA

###### ALTOONA-BLAIR COUNTY

TAKE-OFF MINIMUMS: **Rwy 3**, 300-1 or std. with a min. climb of 260' per NM to 1700. **Rwy 12**, NA-Obstacles.

**Rwy 21**, std. with a min. climb of 350' per NM to 3200 or 1400-3 for climb in visual conditions. **Rwy 30**, std. with a min. climb of 225' per NM to 3800 or 1400-3 for climb in visual conditions. NOTE: Climb in visual conditions not authorized at night.

DEPARTURE PROCEDURE: **Rwy 3**, climb direct AOO VOR, then via AOO R-026 to 2800' before proceeding on course. **Rwy 21**, climb via heading 203° and AOO R-206 to 3200 before proceeding on course. For climb in visual conditions, cross Altoona-Blair County Airport at or above 2900 before proceeding on course. **Rwy 30**, climb via heading 295° to 3800 before proceeding on course. For climb in visual conditions, cross Altoona-Blair County Airport at or above 2900 before proceeding on course.

NOTE: **Rwy 3**, numerous trees 1537' from departure end of runway, 904' left of centerline, 100' AGL/1554' MSL. Numerous trees 5759' from departure end of runway, 1600' right of centerline, 100' AGL/1642' MSL. **Rwy 21**, multiple trees 2541' from departure end of runway, 369' left of centerline, 100' AGL/1583' MSL. Multiple trees 1080' from departure end of runway, 511' right of centerline, 100' AGL/1550' MSL.

## ANNVILLE, PA

### MILLARD

DEPARTURE PROCEDURE: **Rwys 7, 11, 25, 29**, climb runway heading to 2100 before proceeding on course.

## BEAVER FALLS, PA

### BEAVER COUNTY

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.

## BECKLEY, WV

### RALEIGH COUNTY MEMORIAL

TAKE-OFF MINIMUMS: **Rwy 10**, 400-1 or std. with a min. climb of 350' per NM to 4000. **Rwy 19**, 400-1 or std. with a min. climb of 250' per NM to 4000. **Rwy 28**, 300-1 or std. with a min. climb of 250' per NM to 4000.

DEPARTURE PROCEDURE: **Rwy 1**, climb to 5000 via 350° heading before proceeding on course. **Rwy 10**, immediate climbing left turn to 5000 via 350° heading before proceeding on course. **Rwy 19**, climb to 4000 via 240° heading then climbing right turn to 5000 via 330° before proceeding on course. **Rwy 28**, climbing right turn to 5000 via 320° heading before proceeding on course.

NOTE: **Rwy 10**, 90' AGL trees 1350' from departure end of runway, on runway centerline. 312' AGL trees and terrain 5595' from departure end of runway, 1805' right of runway centerline. **Rwy 19**, 60' AGL obstacle light on vortac building 550' from departure end of runway, 749' left of runway centerline. **Rwy 28**, 215' AGL tower 6406' from departure end of runway, 2123' left of centerline.

## BEDFORD, PA

### BEDFORD COUNTY

TAKE-OFF MINIMUMS: **Rwy 14**, 1500-3 or std. with a min. climb gradient of 530' per NM to 2100. **Rwy 32**, 1500-3 or std. with a min. climb gradient of 300' per NM to 1600.

DEPARTURE PROCEDURE: **Rwy 14**, climb to 4000 before turning on course. **Rwy 32**, climb to 4100 before turning on course.

## BELLEFONTE, PA

### BELLEFONTE

TAKE-OFF MINIMUMS: **Rwys 7, 25** 1000-2. DEPARTURE PROCEDURE: **Rwy 7**, climb to 2600 on heading 075° before proceeding on course. **Rwy 25**, climb to 2600 on heading 235° before proceeding on course.

## BERKELEY SPRINGS, WV

### POTOMAC AIRPARK

TAKE-OFF MINIMUMS: **Rwys 11, 29**, 1900-2 or std. with a min. climb of 400' per NM to 2600.

DEPARTURE PROCEDURE: **Rwy 11**, climb to 4000 via heading 095° and HGR R-275 to HGR VOR before proceeding on course. **Rwy 29**, climb to 1500 then climbing left turn to 5000 via heading 267° and GRV R-092 before proceeding on course.

## BLOOMSBURG, PA

### BLOOMSBURG MUNI

TAKE-OFF MINIMUMS: **Rwy 8**, 700-1. **Rwy 26**, 1100-1. DEPARTURE PROCEDURE: **Rwys 8, 26**, climb runway heading to 1800, before proceeding on course.

## BLUEFIELD, WV

### MERCER COUNTY

TAKE-OFF MINIMUMS: **Rwy 23**, 300-1 or std. with a min. climb of 325' per NM to 4000.

DEPARTURE PROCEDURE: **Rwy 5**, climb via BLF R-046 to 5000 before proceeding on course.

**Rwy 23**, right turn after takeoff climb via BLF R-270 to 5000 before proceeding on course.

## BUCKHANNON, WV

### UPSHUR COUNTY REGIONAL

TAKE-OFF MINIMUMS: **Rwy 29**, 400-1½ or std. with a min. climb of 420' per NM to 2100.

DEPARTURE PROCEDURE: **Rwy 11**, climb via heading 105° to 2300 before proceeding on course.

NOTE: **Rwy 11**, trees 798' from departure end of runway, 179' right of centerline, 100' AGL/1679' MSL. Trees 2665' from departure end of runway, 842' left of centerline, 100' AGL/1719' MSL. Trees 4799' from departure end of runway, 1724' right of centerline, 100' AGL/1779' MSL. **Rwy 29**, trees 1 NM from departure end of runway, 565' right of centerline, 100' AGL/1959' MSL.

## BUTLER, PA

### BUTLER COUNTY/K.W. SCHOLTER FIELD

TAKE-OFF MINIMUMS: **Rwys 8, 26**, 300-1.

## CARLISLE, PA

### CARLISLE

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1.

DEPARTURE PROCEDURE: **Rwys 10, 28**, climb straight ahead to 1000' before turning on course.

## CHAMBERSBURG, PA

### FRANKLIN COUNTY REGIONAL

TAKE-OFF MINIMUMS: **Rwy 24**, 700-1 or std. with a min. climb of 220' per NM to 1400.

DEPARTURE PROCEDURE: **Rwys 6, 24**, climbing left turn to 4000 outbound via HGR VOR R-037 before proceeding on course.

## CHARLESTON, WV

### YEAGER

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1 or std. with a min. climb of 210' per NM to 1400. **Rwy 15**, 400-1 or std. with a min. climb of 334' per NM to 1600. **Rwy 23**, 300-1 or std. with a min. climb of 350' per NM to 1600. **Rwy 33**, 300-1 or std. with a min. climb of 321' per NM to 1600.

DEPARTURE PROCEDURE: **Rwys 15, 23, 33**, climb runway heading to 1600 before proceeding on course.

# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

## CLARKSBURG, WV

HARRISON/MARION REGIONAL

TAKE-OFF MINIMUMS: **Rwys 3, 21**, 400-2 or std. with a min. climb of 310' per NM to 2000.

DEPARTURE PROCEDURE: **Rwys 3, 21**, climb runway heading to 2000 before proceeding on course.

## CLEARFIELD, PA

CLEARFIELD-LAWRENCE

TAKE-OFF MINIMUMS: **Rwy 12**, 600-2 or std. with a min climb of 240' per NM to 2200'. **Rwy 30**, 1500-3 or std. with a min. climb of 340' per NM to 3300.

NOTE: **Rwy 12**, cross departure end of runway at or above 35' AGL/1548' MSL. **Rwy 30**, cross departure end of runway at or above 35' AGL/1550' MSL.

## CONNELLVILLE, PA

CONNELLVILLE

TAKE-OFF MINIMUMS: **Rwy 14**, 1100-2. Night NA.

DEPARTURE PROCEDURE: **Rwys 5, 23, 32**, climb runway heading to 3000 before proceeding on course. **Rwy 14**, climbing left turn as soon as practicable after take-off to 4000 via IHD R-273 before proceeding on course.

## DOYLESTOWN, PA

DOYLESTOWN

NOTE: **Rwy 5**, terrain and trees 246' from departure end of runway, 457' right of centerline, 60' AGL/460' MSL. **Rwy 23**, terrain and tree 1498' from departure end of runway, 764' left of centerline, 100' AGL/460' MSL; terrain and trees 2701' from departure end of runway, 44' left of centerline, 100' AGL/480' MSL.

## EAST STROUDSBURG, PA

STROUDSBOURG-POCONO

TAKE-OFF MINIMUMS: **Rwys 8, 26**, 700-1.

DEPARTURE PROCEDURE: **Rwys 8, 26**, climb visually to 1180 within 2 miles of airport before proceeding as cleared.

## EASTON, PA

BRADEN AIRPARK

TAKE-OFF MINIMUMS: **Rwy 18**, 600-1. **Rwy 36**, 400-1.

DEPARTURE PROCEDURE: IFR Departure authorized **Rwys 18, 36** only.

## EBENSBURG, PA

EBENSBURG

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1.

## ELKINS, WV

ELKINS-RANDOLPH COUNTY-JENNINGS  
RANDOLPH FIELD

TAKE-OFF MINIMUMS: **Rwys 5, 14, 32**, NA-obstacles. **Rwy 23**, 1800-2 or std. with a min. climb of 360' per NM to 4300.

DEPARTURE PROCEDURE: **Rwy 23**, climb via heading 200° to 5000 then climbing right turn to 6000 direct to EKN VORTAC then EKN R-346, expect radar vectors.

NOTE: **Rwy 23**, OL and trees 788' from departure end of runway, 206' left of centerline, 85' AGL/2059' MSL.

Trees 10, 130' from departure end of runway, 700' left of centerline, 105' AGL/2331' MSL.

## ERIE, PA

ERIE INTL/TOM RIDGE FIELD.

TAKE-OFF MINIMUMS: **Rwys 2, 20**, 300-1.

DEPARTURE PROCEDURE: **Rwy 2**, climb on runway heading to 1200 before turning southbound. **Rwy 6**, climb to 2100 on heading 060° before turning right. **Rwys 20, 24** climb to 1200 on heading 240° before turning left.

## FACTORYVILLE, PA

SEAMANS FIELD

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1.

DEPARTURE PROCEDURE: **Rwy 4**, climb runway heading to 1600, continue climb to 4000 direct LHY VORTAC before departing as cleared. **Rwy 22**, climb runway heading to 1600, continue climb to 4000 direct LHY VORTAC before departing as cleared.

## FAIRMONT, WV

FAIRMONT MUNI-FRANKMAN FIELD

TAKE-OFF MINIMUMS: **Rwy 4**, 500-2 or std. with min. climb of 250' per NM to 2000. **Rwy 22**, 700-2 or std. with min. climb of 320' per NM to 2000.

DEPARTURE PROCEDURE: **Rwys 4, 22**, climb runway heading to 2000 before proceeding on course.

NOTE: **Rwy 4**, 56' AGL trees 318' from departure end of runway, 310' left of centerline. **Rwy 22**, 108' AGL trees 380' from departure end runway, 26' left of centerline.

## FRANKLIN, PA

### VENANGO REGIONAL

DEPARTURE PROCEDURE: **Rwy 3**, climb via heading 027° to 2000 before proceeding on course. **Rwy 12**, climb via heading 116° to 2000 before proceeding on course. **Rwy 21**, climb via heading 207° to 2000 before proceeding on course. **Rwy 30**, climb via heading 296° to 2000 before proceeding on course.

NOTES: **Rwy 3**, tree 638' from departure end of runway, 528' right of centerline, 34' AGL/1553' MSL. Tree 2547' from departure end of runway, 697' right of centerline, 78' AGL/1597' MSL. **Rwy 12**, tank 1027' from departure end of runway, 660' left of centerline, 92' AGL/1612' MSL. Tree 1123' from departure end of runway, 504' left of centerline, 81' AGL/1600' MSL. Tree 800' from departure end of runway, 369' right of centerline, 71' AGL/1571' MSL. **Rwy 21**, multiple trees beginning 573' from departure end of runway, 191' to 679' right of centerline, up to 81' AGL/1599' MSL. Multiple trees beginning 264' from departure end of runway, 326' to 749' left of centerline, up to 68' AGL/1597' MSL. Sign 2474' from departure end of runway, 30' right of centerline, 94' AGL/1606' MSL. **Rwy 21**, pole 1295' from departure end of runway, 530' left of centerline, 47' AGL/1567' MSL.

## GALETON, PA

### CHERRY SPRINGS

TAKE-OFF MINIMUMS: **Rwy 10,28**, 300-1.

DEPARTURE PROCEDURE: **Rwy 10,28**, climb runway heading to 3000 before proceeding on course.

## GROVE CITY, PA

### GROVE CITY

DEPARTURE PROCEDURE: **Rwy 10**, climb to 1900 on runway heading before proceeding on course. **Rwy 28**, climb to 1600 on runway heading before proceeding on course.

## HARRISBURG, PA

### CAPITAL CITY

TAKE-OFF MINIMUMS: **Rwy 8**, 300-1 or std. with a min. climb of 275' per NM to 700. **Rwy 12**, 800-1 or std. with a min. climb of 380' per NM to 1400. **Rwy 26**, 400-1 or std. with a min. climb of 300' per NM to 800. **Rwy 30**, 300-1 or std. with a min. climb of 460' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 8**, climb via heading 082° to 1100 before proceeding on course. **Rwy 12**, climb via heading 128° to 1400 before proceeding on course. **Rwy 26**, climb via heading 262° to 1400 before proceeding on course. **Rwy 30**, climb via heading 308° to 1500 before proceeding on course.

NOTE: **Rwy 8**, tree 8315' from departure end of runway, 945' left of centerline, 90' AGL/598' MSL. Tree 8306' from departure end of runway, 946' left of centerline, 90' AGL/594' MSL. **Rwy 12**, flagpole 1559' from departure end of runway, 689' left of centerline, 72' AGL/452' MSL. Numerous trees 930' from departure end of runway, left and right of centerline, 90' AGL/435' MSL. **Rwy 26**, numerous trees 8230' from departure end of runway, left and right of centerline, 90' AGL/690' MSL. **Rwy 30**, tree 5546' from departure end of runway, on centerline, 90' AGL/580' MSL. Numerous trees 4005' from departure end of runway, left and right of centerline, 90' AGL/555' MSL. Tree 297' from departure end of runway, 540' left of centerline, 90' AGL/404' MSL. Tree 3136' from departure end of runway, 1283' left of centerline, 90' AGL/541' MSL.

## HARRISBURG INTL

DEPARTURE PROCEDURE: **Rwy 13**, climb via heading 128° to 1000 before proceeding on course.

**Rwy 31**, climb via heading 308° to 1500 before proceeding on course.

## HAZLETON, PA

### HAZLETON MUNI

TAKE-OFF MINIMUMS: **Rwys 10,28**, 300-1.

DEPARTURE PROCEDURE: **Rwys 10,28**, climb runway heading 2200 before turning on course.

## HONESDALE, PA

### CHERRY RIDGE

TAKE-OFF MINIMUMS: **Rwy 36**, 500-2 or std. with a min. climb of 390' per NM to 1900.

NOTES: **Rwy 36**, terrain and trees 5673' from departure end of runway, 1967' left of centerline, 100' AGL/1619' MSL; terrain and trees 1.1 NM from departure end of runway, 2205' left of centerline, 100' AGL/1639' MSL; terrain and trees 1.9 NM from departure end of runway, 810' right of centerline, 100' AGL/1759' MSL.

## INDIANA, PA

### INDIANA COUNTY-JIMMY STEWART FIELD

TAKE-OFF MINIMUMS: **Rwy 10**, 600-1. **Rwy 28**, 300-1.

DEPARTURE PROCEDURE: **Rwy 10**, climb runway heading to 2300 before proceeding on course.



# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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## JOHNSTOWN, PA

JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1.

## KUTZTOWN, PA

KUTZTOWN

TAKE-OFF MINIMUMS: **Rwys 10,28**, NA. **Rwy 35**, 300-1 or std. with a min. climb of 320' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 17**, climbing right turn direct ETX VOR/DME, cross at or above 3000.

## LANCASTER, PA

LANCASTER

NOTES: **Rwy 8**, trees 1010' from departure end of runway, 666' left of centerline, 43' AGL/422' MSL. Bush 53' from departure end of runway, 311' right of centerline, 5' AGL/384' MSL. Road and vehicles 201' from departure end of runway, 289' left of centerline, 22' AGL/401' MSL. Antenna 356' from departure end of runway, 212' left of centerline, 8' AGL/387' MSL.

**Rwy 13**, tree 884' from departure end of runway, 568' left of centerline, 43' AGL/442' MSL. **Rwy 26**, tree 1252' from departure end of runway, 802' right of centerline, 60' AGL/439' MSL. Road and vehicles 273' from departure end of runway, 499' right of centerline, 19' AGL/418' MSL. **Rwy 31**, tree 1716' from departure end of runway, 505' right of centerline, 65' AGL/464' MSL. Building 485' from departure end of runway, 176' left of centerline, 30' AGL/409' MSL. Tree 993' from departure end of runway, 176' left of centerline, 40' AGL/419' MSL.

## LATROBE, PA

ARNOLD PALMER REGIONAL

TAKE-OFF MINIMUMS: **Rwys 21,23**, 300-1.

DEPARTURE PROCEDURE: **Rwys 3,5**, climb runway heading to 2000, then climbing left turn to 4000 via heading 360° to intercept IHD R-002. **Rwys 21,23**, climb to 4000 via BHU 233° bearing.

## LEHIGHTON, PA

JAKE ARNER MEMORIAL

TAKE-OFF MINIMUMS: **Rwy 8**, 400-2 or std. with a min. climb of 320' per NM to 1000. **Rwy 26**, 700-2 or std. with a min. climb of 310' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 8**, climb to 2500 via LQX NDB bearing 072° before proceeding on course.

**Rwy 26**, climb to 2500 via LQX NDB bearing 250° before proceeding on course.

## LEWISBURG, WV

GREENBRIER VALLEY

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1 or std. with a min. climb of 360' per NM to 2400.

DEPARTURE PROCEDURE: **Rwys 4, 22** climb on runway heading to 5000 before proceeding on course.

## LOCK HAVEN, PA

WILLIAM T. PIPER MEMORIAL

TAKE-OFF MINIMUMS: **Rwy 9**, NA-obstacles.

**Rwy 27**, 1800-3 or std. with a min. climb of 375' per NM to 2800.

DEPARTURE PROCEDURE: **Rwy 9**, NA-obstacles.

**Rwy 27**, climb via heading 273° to 2800 before proceeding on course.

NOTE: **Rwy 27**, tower 1.79 NM from departure end of runway, 333' right of centerline, 154' AGL/895' MSL.

Terrain and trees 2.42 NM from departure end of runway, 3224' right of centerline, 100' AGL/1019' MSL.

## LOGAN, WV

LOGAN COUNTY

TAKE-OFF MINIMUMS: **Rwy 24**, 400-1.

DEPARTURE PROCEDURE: **Rwy 6**, climb runway heading to 3000 before proceeding on course.

**Rwy 24**, climb runway heading to 3000 before proceeding on course.

NOTE: **Rwy 24**, 148' AGL trees 1500' from departure end of runway.

## MARTINSBURG, WV

EASTERN WEST VIRGINIA REGIONAL/  
SHEPHERD FIELD

DEPARTURE PROCEDURE: **Rwy 8**, climb via heading 079° to 1600 before proceeding on course. **Rwy 26**, climb via heading 259° to 1000, then climbing left turn to 2500 direct MRB VORTAC before proceeding on course.

NOTE: **Rwy 8**, trees 1074' from departure end of runway, 673' left of centerline, 47' AGL/594' MSL. **Rwy 26**, trees 134' from departure end of runway, 480' right of centerline, 41' AGL/592' MSL. Tree 2084' from departure end of runway, 320' right of centerline, 60' AGL/611' MSL.

## MEADVILLE, PA

PORT MEADVILLE

DEPARTURE PROCEDURE: **Rwy 7**, climb runway heading to 2000 before proceeding on course.

## MILTON, WV

ONA AIRPARK

TAKE-OFF MINIMUMS: **Rwy 25**, 300-1 or std. with a min. climb of 260' per NM to 1000. **Rwy 7**, 600-1.

DEPARTURE PROCEDURE: **Rwy 25**, climb runway heading to 1500 before proceeding on course. **Rwy 7**, departure NA at night. Climbing right turn to intercept HNN R-204 to HAITI Int before proceeding on course.

19 JAN 2006 to 16 FEB 2006

19 JAN 2006 to 16 FEB 2006

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# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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## MONONGAHELA, PA

### ROSTRAVER

TAKE-OFF MINIMUMS: **Rwy 26**, 300-1 or std. with a min. climb of 350' per NM to 1500.

DEPARTURE PROCEDURE: **Rwy 8**, Climb via heading 076° to 1900 before proceeding on course.

NOTES: **Rwy 8**, tree 64' from departure end of runway, 439' right of centerline, 54' AGL/1274' MSL; tree 246' from departure end of runway, 433' left of centerline, 66' AGL/1245' MSL; tree 325' from departure end of runway, 418' left of centerline, 61' AGL/1240' MSL; Tree 295' from departure end of runway, 354' left of centerline, 40' AGL/1239' MSL; tree 2303' from departure end of runway, 220' right of centerline, 46' AGL/1285' MSL; tree 2231' from departure end of runway, 18' left of centerline, 61' AGL/1280' MSL. **Rwy 26**, tree 3753' from departure end of runway, 644' left of centerline, 100' AGL/1390' MSL.

## MORGANTOWN, WV

### MORGANTOWN MUNI-WALTER L. BILL HART FIELD

TAKE-OFF MINIMUMS: **Rwy 5**, 400-1. **Rwy 23**, 600-1.

DEPARTURE PROCEDURE: **Rwy 5**, climbing left turn to 3500 via heading 040° to intercept MGW R-015 before proceeding on course. **Rwy 18**, climbing right turn to 2700 via heading 225° before proceeding on course. **Rwy 23**, climbing left turn to 2700 via heading 190° before proceeding on course. **Rwy 36**, climb runway heading to 2700 before proceeding on course.

## MOUNDSVILLE, WV

### MARSHALL COUNTY

TAKE-OFF MINIMUMS: **Rwy 6**, 500-2 or std. with a min. climb of 210' per NM to 1900. **Rwy 24**, 300-2 or std. with a min climb of 230' per NM to 1600.

## MOUNT JOY/MARIETTA, PA

### DONEGAL SPRINGS AIRPARK

DEPARTURE PROCEDURE: **Rwy 10**, climb to 3000 direct LRP VORTAC before proceeding on course.

**Rwy 28**, climbing right turn 3000 direct LRP VORTAC before proceeding on course.

## MOUNT POCONO, PA

### POCONO MOUNTAINS MUNI

DEPARTURE PROCEDURE: **All runways**, climb straight ahead to 2500 feet before turning on course.

## MUIR AAF (KMUI)

### FORT INDIANTOWN GAP, PA

..... Rwy 7, 400-1\*  
Rwy 25, 300-1\*

\* Or standard with minimum climb 400/NM to 800.

Rwy 7 climbing right turn as soon as practicable after takeoff to 2000 via 190° bearing from BZJ NDB before departing on course. Rwy 25 climb rwy heading to 700, then climbing left turn to 2000 via 190° bearing from BZJ NDB before departing on course.

## NEW CASTLE, PA

### NEW CASTLE MUNI

TAKE-OFF MINIMUMS: **Rwy 13**, 300-1 or std. with a min. climb of 350' per NM to 1400.

NOTE: **Rwy 5**, tree 785' from departure end of runway, 196' right of centerline, 32' AGL/1029' MSL. **Rwy 13**, trees 4087' from departure end of runway, 1531' right of centerline, 100' AGL/1249' MSL. Building 262' from departure end of runway, 179' left of centerline, 24' AGL/1088' MSL. **Rwy 31**, tree 497' from departure end of runway, 18' right of centerline, 28' AGL/1044' MSL.

## PARKERSBURG, WV

### MID-OHIO VALLEY REGIONAL

TAKE-OFF MINIMUMS: **Rwys 10, 21**, 400-2 or std. with a min. climb of 250' per NM to 1400. **Rwy 28**, 500-2 or std. with a min. climb of 280' per NM to 1600.

DEPARTURE PROCEDURE: **Rwy 28**, climbing right turn to heading 310° to 1600 then on course.

NOTE: **Rwy 3**, cross departure end of runway at or above 35' AGL/893' MSL. **Rwy 10**, cross departure end of runway at or above 35' AGL/873' MSL. Multiple trees 314' from departure end of runway, left of centerline, 52' AGL/890' MSL. Tower 8946' from departure end of runway, 37' right of centerline, 230' AGL/1008' MSL. **Rwy 21**, cross departure end of runway at or above 35' AGL/841' MSL. Trees and terrain 3662' from departure end of runway, 1448' right of centerline, 146' AGL/952' MSL. **Rwy 28**, cross departure end of runway at or above 35' AGL/866' MSL. Towers and terrain 14,100' from departure end of runway, 900' left of centerline, 470' AGL/1300' MSL.

## PERKASIE, PA

### PENNRIDGE

TAKE-OFF MINIMUMS: **Rwy 8**, 300-1. **Rwy 26**, 500-1.

## PETERSBURG, WV

### GRANT COUNTY

TAKE-OFF MINIMUMS: **Rwys 13, 31**, 1500-3.

DEPARTURE PROCEDURE: **Rwys 13, 31**, climb visually so as to cross airport at or above 2400 thence continue climb to 5000 northeast on heading 033° to intercept ESL R-213 direct to ESL.





# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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## PHILADELPHIA, PA PHILADELPHIA INTL

TAKE-OFF MINIMUMS: **Rwy 8**, 300-1 1/4 or std. with a min. climb of 320' per NM to 400. **Rwys 9L, 9R**, 300-1 or std. with a min. climb of 310' per NM to 300. **Rwy 17**, 300-1 or std. with a min. climb of 435' per NM to 300. **Rwy 26**, NA-obstacles.

NOTE: **Rwy 8**, cranes 5740' from departure end of runway, 329' right of centerline, 201' AGL/211' MSL. **Rwy 9L**, ship in channel 3547' from departure end of runway, 1445' right of centerline, 188' AGL/188' MSL. **Rwy 9R**, ship in channel 4503' from departure end of runway, 1683' right of centerline, 188' AGL/188' MSL. **Rwy 17**, ship in channel 2462' from departure end of runway, 976' left of centerline, 188' AGL/188' MSL. **Rwy 27L**, tree 388' from departure end of runway, 537' left of centerline, 39' AGL/48' MSL. **Rwy 35**, obstruction light on transmission pole 3290' from departure end of runway, 1178' left of centerline, 115' AGL/129' MSL. Multiple lights and signs 1713' from departure end of runway, 781' right of centerline, 65' AGL/84' MSL.

## WINGS FIELD

TAKE-OFF MINIMUMS: **Rwy 24**, 300-1 or std. with a min. climb of 400' per NM to 600.

DEPARTURE PROCEDURE: **Rwy 24**, climb via heading 245° to 1100 before proceeding on course.

NOTE: **Rwy 6**, trees beginning 154' from departure end of runway, 357' left of centerline, 90' AGL/350' MSL. Trees 1038' from departure end of runway, 776' left of centerline, 100' AGL/389' MSL. **Rwy 24**, multiple buildings 347' from departure end of runway, 530' left of centerline, 50' AGL/360' MSL. Building 235' from departure end of runway, 524' right of centerline, 60' AGL/350' MSL. Tower 4367' from departure end of runway, 843' right of centerline, 160' AGL/444' MSL.

## PHILIPSBURG, PA MID-STATE

TAKE-OFF MINIMUMS: **Rwy 6**, 700-1. **Rwy 16**, 400-1. **Rwy 24**, 300-1.

DEPARTURE PROCEDURE: **Rwy 6**, climbing left turn to 2800 on heading 340° before proceeding on course. **Rwys 16, 24, 34**, climb runway heading to 2800 before proceeding on course.

## PINEVILLE, WV KEE FIELD

TAKE-OFF MINIMUMS: **Rwy 8**, 700-2. **Rwy 26**, 600-1. DEPARTURE PROCEDURE: **Rwys 8, 26**, climb runway heading to 3000 before proceeding on course. NOTE: **Rwy 8**, 86' trees/terrain 2100' from departure end on centerline. **Rwy 26**, 135' trees/terrain 1300' from departure end on centerline.

## PITTSBURGH, PA ALLEGHENY COUNTY

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1 or std. with a min. climb of 265' per NM to 1500.

DEPARTURE PROCEDURE: **Rwy 5**, climb via heading 052°... **Rwy 10**, climb via heading 099°... **Rwy 13**, climb via heading 129°... **Rwy 23**, climb via heading 232°... **Rwy 28**, climb via heading 279°... **Rwy 31**, climb via heading 309°...  
...to 1700 before proceeding on course.

NOTE: **Rwy 5**, antenna 2017' from departure end of runway, 855' left of centerline, 126' AGL/1371' MSL. Antenna 4504' from departure end of runway, 637' left of centerline, 186' AGL/1431' MSL. Tank 4505' from departure end of runway, 731' left of centerline, 95' AGL/1405' MSL. **Rwy 10**, tree 3783' from departure end of runway, 713' left of centerline, 69' AGL/1352' MSL. **Rwy 13**, tree 385' from departure end of runway, 286' right of centerline, 40' AGL/1268' MSL. **Rwy 23**, hanger 24' from departure end of runway, 284' right of centerline, 20' AGL/1257' MSL. Tree 675' from departure end of runway, 106' left of centerline, 80' AGL/1265' MSL. Tree 944' from departure end of runway, 17' left of centerline, 73' AGL/1271' MSL. Tower 1772' from departure end of runway, 557' right of centerline, 120' AGL/1342' MSL. **Rwy 31**, pole 265' from departure end of runway, 298' right of centerline, 49' AGL/1263' MSL.

## PITTSBURGH INTL

DEPARTURE PROCEDURE: **Rwys 10L, 10R, 10C**, climb via heading 100°... **Rwy 14**, climb via heading 144°... **Rwys 28L, 28R, 28C**, climb via heading 280°... **Rwy 32**, climb via heading 324°...  
...to 1700 before proceeding on course.

NOTE: **Rwy 10L**, tree 1556' from departure end of runway, 775' left of centerline, 56' AGL/1228' MSL. OL on rod 4265' from departure end of runway, 910' left of centerline, 104' AGL/1282' MSL. **Rwy 10R**, tree 4722' from departure end of runway, 1193' right of centerline, 61' AGL/1243' MSL. Tree 5075' from departure end of runway, 299' right of centerline, 64' AGL/1252' MSL. **Rwy 10C**, tree 3240' from departure end of runway, 461' left of centerline, 84' AGL/1222' MSL. Tree 3849' from departure end of runway, 747' left of centerline, 80' AGL/1258' MSL. **Rwy 28L**, tree 2470' from departure end of runway, 902' left of centerline, 104' AGL/1204' MSL. **Rwy 28R**, tree 1361' from departure end of runway, 561' right of centerline, 34' AGL/1242' MSL. Tree 1979' from departure end of runway, 584' right of centerline, 26' AGL/1260' MSL. **Rwy 28C**, light pole 2003' from departure end of runway, 310' left of centerline, 47' AGL/1176' MSL. **Rwy 32**, tree 2858' from departure end of runway, 1113' right of centerline, 56' AGL/1228' MSL. Tree 6206' from departure end of runway, 1272' right of centerline, 70' AGL/1314' MSL. Tower 6829' from departure end of runway, 497' left of centerline, 96' AGL/1342' MSL. Tower 6898' from departure end of runway, 427' left of centerline, 84' AGL/1350' MSL.

19 JAN 2006 to 16 FEB 2006

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# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



C7



## POINT PLEASANT, WV

### MASON COUNTY

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1 or std. with a min. climb of 280' per NM to 1000.

DEPARTURE PROCEDURE: **Rwys 7, 25**, climb runway heading to 1600 before proceeding on course.

NOTE: **Rwy 25**, 60' AGL tree 475' left of departure end of runway.

## POTTSTOWN, PA

### POTTSTOWN-LIMERICK

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1 or std. with a min. climb of 290' per NM to 500. **Rwy 28**, 500-2.

DEPARTURE PROCEDURE: **Rwy 28**, climb runway heading to 800 before proceeding on course.

### POTTSTOWNMUNI

TAKE-OFF MINIMUMS: **Rwy 7**, 400-1. **Rwy 25**, 300-1.

DEPARTURE PROCEDURE: **Rwys 7, 25**, climbing right turn direct PTW VORTAC before departing on course.

## POTTSVILLE, PA

### SCHUYLKILL COUNTY (JOE ZERBEY)

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1.

DEPARTURE PROCEDURE: **Rwy 11**, climb runway heading to 2000 before turning.

## PUNXSUTAWNEY, PA

### PUNXSUTAWNEY MUNI

TAKE-OFF MINIMUMS: **Rwy 1**, NA-obstacles. **Rwy 7**, 400-1 ¾ or std. with a min. climb of 260' per NM to 2000.

**Rwy 19**, 500-2 or std. with a min. climb of 285' per NM to 2000.

DEPARTURE PROCEDURE: **Rwy 7**, climb via heading 067° to 2000 before proceeding on course. **Rwy 19**, climb via heading 188° to 2000 before proceeding on course. **Rwy 25**, climb via heading 247° to 2100 before proceeding on course.

NOTES: **Rwy 7**, tree 1.4 NM from departure end of runway, 2579' left of centerline, 100' AGL/1719' MSL. Tower 1.9 NM from departure end of runway, 2966' left of centerline, 200' AGL/1799' MSL. Tower 1.7 NM from departure end of runway, 1264' right of centerline, 200' AGL/1719' MSL. **Rwy 19**, tower 1.7 NM from departure end of runway, 2860' left of centerline, 200' AGL/1799' MSL.

## RAVENSWOOD, WV

### JACKSON COUNTY

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1.

DEPARTURE PROCEDURE: **Rwys 4, 22**, climb runway heading to 1300 before proceeding on course.

NOTE: **Rwy 4**, 100' AGL tree, 500' from departure end of runway, 200' left of centerline.

## READING, PA

### READING REGIONAL/CARL A. SPAATZ FIELD

TAKE-OFF MINIMUMS: **Rwy 13**, 1000-1 or std. with a min. climb of 370' per NM to 1500. **Rwy 31**, 400-1 or std. with a min. climb of 350' per NM to 800. **Rwy 36**, 400-1 or std. with a min. climb of 260' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 18**, climb runway heading to 1400 before turning on course.

**Rwys 31, 36**, climb runway heading to 800 before turning on course.

## REEDSVILLE, PA

### MIFFLIN COUNTY

TAKE-OFF MINIMUMS: **Rwy 6**, 1700-2 or std. with a min. climb of 270' per NM to 2500. **Rwy 24**, 1600-2 or std. with a min. climb of 220' per NM to 2500.

DEPARTURE PROCEDURE: **Rwys 6, 24**, climb on runway heading to 2500 before departing on course.

## ST. MARYS, PA

### ST. MARYS MUNI

NOTE: **Rwy 10**, terrain and trees 3833' from departure end of runway, right and left of centerline, 100' AGL/ 2119' MSL. **Rwy 28**, terrain and trees 1926' from departure end of runway, right and left of centerline, 100' AGL/1979' MSL; terrain and trees 3754' from departure end of runway, right and left of centerline, 100' AGL/ 2000' MSL.

## SELINGSBORO, PA

### PENN VALLEY

TAKE-OFF MINIMUMS: **Rwy 17**, 600-2 or std. with a min. climb of 300' per NM to 1500. **Rwy 35**, 600-2 or std. with a min. climb of 500' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 17**, climbing right turn to 3100 direct SEG VORTAC. Continue climb in holding pattern to 3100 before proceeding on course.

**Rwy 35**, climbing left turn to 3100 direct SEG VORTAC. Continue climb in holding pattern to 3100 before proceeding on course.

## SEVEN SPRINGS BOROUGH, PA

### SEVEN SPRINGS

TAKE-OFF MINIMUMS: **Rwys 9, 27**, 300-1.

## SHAMOKIN, PA

### NORTHUMBERLAND COUNTY

TAKE-OFF MINIMUMS: **Rwy 8**, 400-1 or std. with a min. climb of 450' per NM to 1400. **Rwy 26**, 700-1 or std. with a min. climb of 250' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 8**, climb to 1400, then climbing left turn to 4000 direct SEG VORTAC.

**Rwy 26**, climb to 1400, then climb to 4000 via SEG R-088 to SEG VORTAC.

## SOMERSET, PA

### SOMERSET COUNTY

TAKE-OFF MINIMUMS: **Rwy 14, 32**, NA.



## STATE COLLEGE, PA

### UNIVERSITY PARK

TAKE-OFF MINIMUMS: **Rwys 16,34**, NA.

DEPARTURE PROCEDURE: **Rwys 6,24**, climb runway heading to 2600 before proceeding on course.

## SUMMERSVILLE, WV

### SUMMERSVILLE

TAKE-OFF MINIMUMS: **Rwy 4**, 400-1 or std. with a min. climb of 350' per NM to 3000.

## SUTTON, WV

### BRAXTON COUNTY

TAKE-OFF MINIMUMS: **Rwy 1**, 300-1 with a min. climb of 245' per NM to 2100 or 1100-2½ for climb in visual conditions. **Rwy 19**, NA-obstacles.

DEPARTURE PROCEDURE: **Rwy 1**, climb via heading 014° to 2100 before proceeding on course. For climb in visual conditions, cross Braxton County Airport at or above 2200.

NOTE: **Rwy 1**, Road 798' from departure end of runway, 498' right of centerline, 15' AGL/1334' MSL. Trees 1160' from departure end of runway, 533' left of centerline, up to 100' AGL/1439' MSL. Trees, 3257' from departure end of runway, 1194' left of centerline, up to 100' AGL/1479' MSL. Trees, 4449' from departure end of runway, 955' left of centerline, up to 100' AGL/1539' MSL. Powerline tower, 4549' from departure end of runway, 342' left of centerline, 70' AGL/1429' MSL.

## TOUGHKENAMON, PA

### NEW GARDEN

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1.

DEPARTURE PROCEDURE: **Rwys 6,24**, climb runway heading to 900 before turning on course.

## TOWANDA, PA

### BRADFORD COUNTY

TAKE-OFF MINIMUMS: **Rwy 5**, 900-2 or std. with a min. climb of 380' per NM to 2000. **Rwy 23**, 1600-2 or std. with a min. climb of 580' per NM to 2800.

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 047° to 3000 before proceeding on course. **Rwy 23**, climb heading 227° to 3000 before proceeding on course.

NOTE: **Rwy 5**, trees 12386' from departure end of runway, 3511' left of centerline, 100' AGL/1462' MSL. **Rwy 23**, trees 10099' from departure end of runway, 1892' left of centerline, 100' AGL/1203' MSL.

## WASHINGTON, PA

### WASHINGTON COUNTY

TAKE-OFF MINIMUMS: **Rwy 9**, 700-2½ or std. with a min. climb of 475' per NM to 2100. **Rwy 27**, 300-1½ or std. with a min. climb of 490' per NM to 1500.

NOTE: **Rwy 9**, multiple trees beginning 2968' from departure end of runway, 780' right of centerline, up to 109' AGL/1308' MSL. Multiple trees beginning 5232' from departure end of runway, 459' left of centerline, up to 105' AGL/1380' MSL. Multiple trees beginning 1.2 NM from departure end of runway, 13' left of centerline, up to 117' AGL/1392' MSL. Multiple trees beginning 1.2 NM from departure end of runway, 687' right of centerline, up to 122' AGL/1461' MSL. Multiple trees and towers beginning 1.8 NM from departure end of runway, 1012' right of centerline, up to 213' AGL/1721' MSL. **Rwy 27**, multiple trees beginning 187' from departure end of runway, 132' left of centerline, up to 36' AGL/1195' MSL. Multiple trees beginning 267' from departure end of runway, 146' right of centerline, up to 55' AGL/1244' MSL. Multiple trees and poles beginning 1173' from departure end of runway, 29' left of centerline, up to 80' AGL/1414' MSL. Multiple trees and pole beginning 1362' from departure end of runway, 221' right of centerline, up to 65' AGL/1367' MSL. Multiple trees and towers beginning 1.2 NM from departure end of runway, 801' right of centerline, up to 83' AGL/1422' MSL.

## WELLSBORO, PA

### WELLSBORO JOHNSTON

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1. **Rwy 28**, 600-2 or std. with a min. climb of 240' per NM to 2700.

DEPARTURE PROCEDURE: **Rwy 10**, climbing right turn direct SFK VOR/DME. **Rwy 28**, climbing left turn direct SFK VOR/DME. **All aircraft** cross SFK VOR/DME at or above 3000, if not at 3000, continue climb in SFK VOR/DME holding pattern to 3000 before proceeding on course (Hold SW, right turns, 036° inbound).

NOTE: **Rwy 10**, 79' AGL trees 1600' from departure end of runway, on centerline.

## WEST CHESTER, PA

### BRANDYMINE

TAKE-OFF MINIMUMS: **Rwy 27**, 300-1 or std. with a min. climb of 240' per NM to 700.

NOTE: **Rwy 27**, 100' AGL trees 3800' from departure end of runway, on centerline.

## WHEELING, WV

### WHEELING OHIO COUNTY

TAKE-OFF MINIMUMS: **Rwy 16**, 300-1.

DEPARTURE PROCEDURE: **Rwys 3, 16**, climb runway heading to 1700 before proceeding on course.



## TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



## WILKES-BARRE/SCRANTON, PA

## WILKES-BARRE/SCRANTON INTL

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1½ or std. with a min. climb of 240' per NM to 1300. **Rwy 10**, NA- obstacles. **Rwy 22**, 400-2 or std. with a min. climb of 240' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 4**, climb via heading 044° and LHY R-255 to cross LHY VORTAC at or above 3000 before proceeding on course. **Rwy 22**, fly heading 224° to 1400, then climbing right turn via heading 250° and LVZ R-287 to 3000 before proceeding on course.

**Rwy 28**, fly heading 283° to 1400, then climbing left turn via heading 250° and LVZ R-287 to 3000 before proceeding on course.

NOTE: **Rwy 4**, tower 4380' from departure end of runway, 414' left of centerline, 114' AGL/1026' MSL. Tree 1 NM from departure end of runway, 1647' left of centerline, 85' AGL/1064' MSL. Tree 1.3 NM from departure end of runway, 468' left of centerline, 100' AGL/1139' MSL. **Rwy 22**, tower 1.8 NM from departure end of runway, 2177' right of centerline, 352' AGL/1293' MSL.

## WILLIAMSPORT, PA

## WILLIAMSPORT REGIONAL

TAKE-OFF MINIMUMS: **Rwy 9**, 600-1 required or std. with a min. climb of 255' per NM to 1600. **Rwy 12**, 1300-1. **Rwy 15**, 1500-1 required; night IFR take-off NA. **Rwy 27**, 1300-1 required or 500-1 required with a min. climb of 235' per NM to 1400. **Rwy 30**, 900-1 required or std. with a min. climb of 236' per NM to 1400. **Rwy 33**, 1500-1 required or std. with a min. climb of 295' per NM to 2100.

DEPARTURE PROCEDURE: **Rwy 9**, climb straight ahead to 2500 via PIX NDB or IPT LOC Front Course before proceeding on course. **Rwys 12, 15**, left climbing turn as soon as practicable after take off, intercept IPT LOC Front Course and climb eastbound to 2500 before proceeding on course. **Rwy 27**, turn right, maintain visual reference until established on 300° heading. Intercept the MIP R-318 and continue climb to 2500 before proceeding on course. **Rwys 30, 33**, climb straight ahead to 2500 before proceeding on course.

## WILLOW GROVE NAS JRB (KNXX)

WILLOW GROVE , PA ORIG, 05020

TAKE-OFF OBSTACLES: **Rwy 33**, trees within 4758' of departure end of runway, 455' MSL.

## YORK, PA

## YORK

TAKE-OFF MINIMUMS: **Rwys 17, 35**, 300-1.

DEPARTURE PROCEDURE: **Rwy 17**, climb on runway heading to 1000 feet before turning. **Rwy 35**, climb on runway heading to 800 feet before turning.

## ZELIENOPLE, PA

## ZELIENOPLE MUNI

TAKE-OFF MINIMUMS: **Rwys 17, 35**, 600-2 or std. with a min. climb of 360' per NM to 1600.

DEPARTURE PROCEDURE: **Rwys 17, 35**, climb runway heading to 2500 before proceeding on course.

